

SUPPLEMENTARY TABLES

Table S1. The SNPs Significantly Associated with SHS in the Workplace

Table S2. Detail Information of the Genetic Variants in the MR Analysis of SHS and GRED

Table S3. Detail Information of the Genetic Variants in the MR Analysis of SHS and IBS

Table S4. Detail Information of the Genetic Variants in the MR Analysis of SHS and Cholelithiasis

Table S5. Detail Information of the Genetic Variants in the MR Analysis of SHS and Acute pancreatitis

Table S6. Detail Information of the Genetic Variants in the MR Analysis of SHS and Chronic pancreatitis

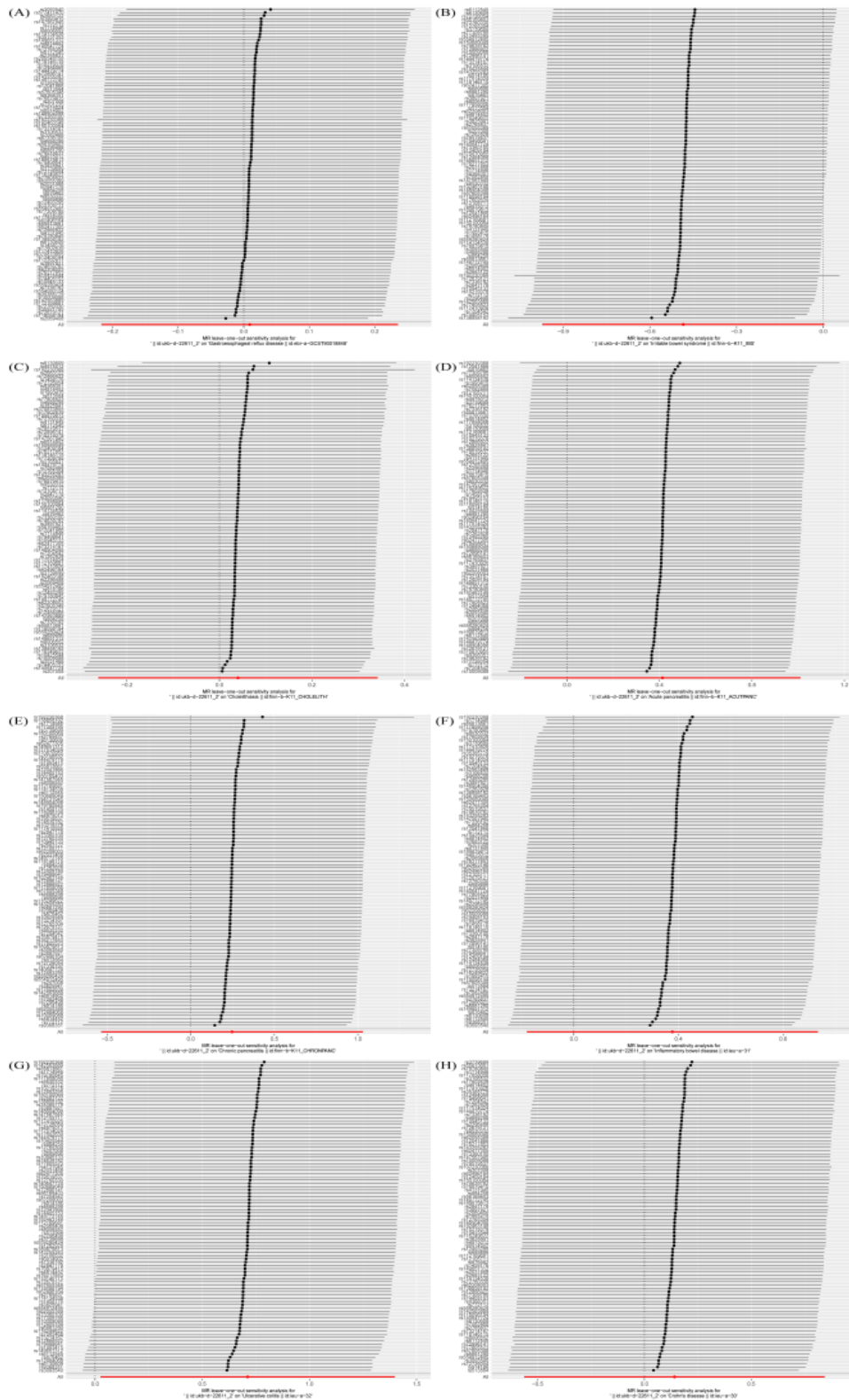
Table S7. Detail Information of the Genetic Variants in the MR Analysis of SHS and IBD

Table S8. Detail Information of the Genetic Variants in the MR Analysis of SHS and UC

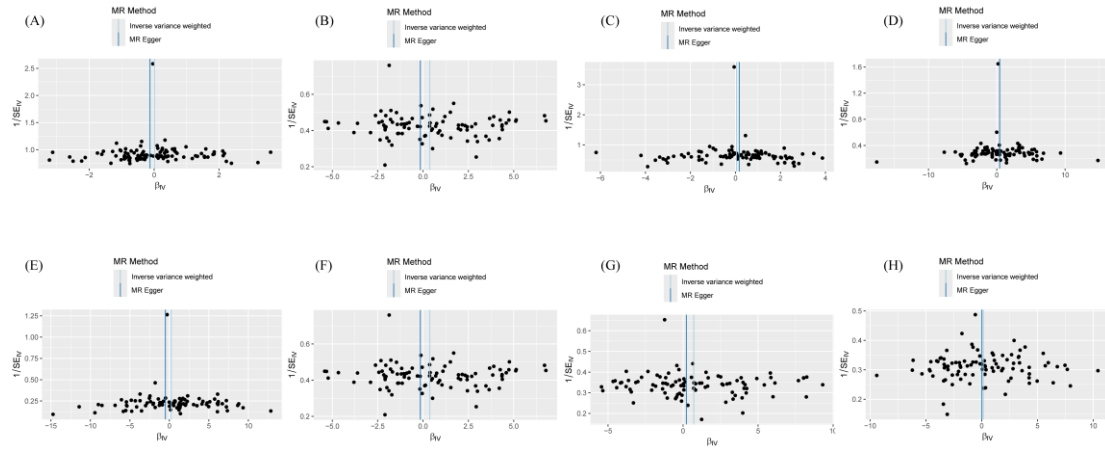
Table S9. Detail Information of the Genetic Variants in the MR Analysis of SHS and CD

| | | | | | | | | | | | | | |
|-----------|----|----------|---|---|-----------|------------|------------|----------|-------|--------------------|------|----------|-----|
| s1248406 | 22 | 51099862 | T | C | 0.205871 | 0.00904834 | 0.00216889 | 3.02E-05 | 89714 | b-d-22611l:ukb-d-2 | TRUE | reported | igd |
| s1175140f | 22 | 49534383 | T | G | 0.189881 | 0.00909136 | 0.00222923 | 4.54E-05 | 89714 | b-d-22611l:ukb-d-2 | TRUE | reported | igd |
| s1489040f | 22 | 25249949 | C | G | 0.0151067 | 0.0326451 | 0.00759825 | 1.74E-05 | 89714 | b-d-22611l:ukb-d-2 | TRUE | reported | igd |

Supplementary Figure 3: MR leave-one-out sensitivity analysis of Second-Hand Smoking on nonmalignant Digestive System Diseases. Circles indicate the results of MR analysis of remaining SNPs on Second-Hand Smoking on nonmalignant Digestive System Diseases after omitting each SNP in turn. Bars indicate CI. (A) gastroesophageal reflux disease; (B) irritable bowel syndrome; (C) cholelithiasis; (D) acute pancreatitis; (E) chronic pancreatitis; (F) inflammatory bowel disease; (G) ulcerative colitis; (H) Crohn's disease.



Supplementary Figure 4: Estimating heterogeneity using funnel plots of individual causal relationships between Second-Hand Smoking and nonmalignant Digestive System Diseases. (A) gastroesophageal reflux disease; (B) irritable bowel syndrome; (C) cholelithiasis; (D) acute pancreatitis; (E) chronic pancreatitis; (F) inflammatory bowel disease; (G) ulcerative colitis; (H) Crohn's disease.



© 2025 Yu Y. and Jin Y.